

Amendments to the Claims

Please amend the claims as follows:

1. (Currently Amended) A communication system that enables remote non-cordless land line station devices of said system to make and receive calls over a wireless network using a wireless phone, such as a cell phone, coupled in series signal-wise between said wireless network and said remote non-cordless land line station devices, said system comprising:

a plurality of wireless interfaces;

a cell phone base unit coupled to a first one of said wireless interfaces;

said cell phone base unit is adapted to be coupled signal-wise to ~~[[a]]~~ said cell phone;

at least one each said remote non-cordless land line station device being individual to and coupled to ~~another a different~~ one of said wireless interfaces; and

apparatus ~~including said wireless interfaces~~ responsive to the receipt of an incoming call from said wireless network for extending said incoming call via said cell phone and the wireless interface of said cell phone to said at least one of said remote non-cordless land line station ~~device~~ devices via the wireless interface individual to said one remote non-cordless land line station device.

2. (Currently Amended) The system of claim 1 characterized in that said apparatus for extending further comprises:

apparatus that monitors said incoming call; and

apparatus that detects an on-hook signal at said at least one remote non-cordless land line station device for terminating said call between said at least one remote non-cordless land line station device and said wireless network via said cell phone ~~and said wireless interfaces.~~

3. (Currently Amended) The system of claim 2 characterized in that said apparatus for extending further comprises:

apparatus responsive to the initiation of an outgoing call by a calling one of said at least one remote non-cordless land line station device devices for extending said outgoing call via the one of said wireless interfaces unique to said calling remote non-cordless land line station device and via the wireless network of said cell phone and via said cell phone and said wireless network to a called station served by said wireless network.

4. (Currently Amended) The system of said claims 1 characterized in that each said at least one remote non-cordless land line station device comprises any one of or any combination of:

non-cordless land line telephones;

computers;

PDA's;

communication paths extending to other networks and/or network appliances;

fax machines;

fire, security and alarm detection devices;

printers; and

household appliances.

5. (Currently Amended) The system of claim 3 [[4]] wherein said non-cordless land line station devices ~~comprises~~ comprise non-cordless land line telephones, said system further comprising:

apparatus that detects an off-hook state of a calling one of said remote non-cordless land line telephones;

apparatus ~~including said wireless interfaces~~ that transmits said off-hook signal from said [[one]] calling remote non-cordless land line telephone to said cell phone;

apparatus that activates said cell phone in response to the receipt of said off-hook ~~on-hook~~ signal;

apparatus including said cell phone ~~wireless interface associated with said one calling remote non-cordless land line station telephone~~ for receiving a called station number from said ~~one non-cordless~~ calling remote non-cordless land line station telephone;

5 apparatus including said wireless interface associated with said ~~[[one]]~~ calling remote non-cordless land line telephone for transmitting said called station number to said cell phone;

said cell phone being responsive to the receipt of said called station number for initiating the establishment of a call via said wireless network to said called station;

10 apparatus for detecting an on-hook state of said called station or of said ~~[[one]]~~ calling remote non-cordless land line telephone for transmitting a call end signal to said cell phone; and

said cell phone being responsive to said receipt of said call end signal for ending said call ~~to said called station~~.

15 6. (Currently Amended) The system of claim 4 further comprising:

apparatus including said cell phone for detecting the receipt of an incoming call from said wireless network;

20 apparatus including said cell phone responsive to said detecting for applying a ringing control signal to the wireless interface associated with said cell phone;

apparatus for transmitting said ringing control signal to ~~[[the]]~~ wireless interfaces individual to each of ~~associated with~~ said remote non-cordless land line telephones;

apparatus responsive to the receipt of said ringing control signal for applying ringing current to said remote non-cordless land line telephones;

25 apparatus for generating an off-hook signal at a responsive one of remote non-cordless land line telephones;

said off-hook signal is transmitted to said cell phone via said wireless ~~interfaces~~ interface individual to said responsive cordless land line telephone;

30 said cell phone being responsive to the receipt of said off-hook signal for terminating the generation of said ringing ~~ring~~ control signal;

said wireless interfaces being responsive to the termination of said ringing control signal for termination ringing at said remote non-cordless land line telephones;

said cell phone being effective to monitor said incoming call;

apparatus for detecting an on-hook state of said called station or of said

responsive remote non-cordless land line telephone for transmitting a call end signal to said cell phone; and

said cell phone being responsive to said receipt of said call end signal for ending said incoming call.

7. (Currently Amended) The system of claim 1 characterized in that said cell phone is adapted to serve calls between said wireless network and said remote non-cordless land telephones only when said cell phone is connected signal-wise to said base unit. ~~to connect said cell phone with said first wireless interface via said base unit.~~

8. (Currently Amended) In a system having a first wireless interface adapted to be coupled to a cell phone, said system further having ~~a second~~ additional wireless ~~interface~~ interfaces each of which is adapted to be individual to and coupled to an individual one of a plurality of [[a]] remote non-cordless land line telephone telephones;

said system further comprising:

apparatus for receiving indicia of a call request by either said first or one of said additional ~~second~~ wireless interfaces; and

apparatus that extends said call request to the other of said first or ~~second~~ said additional wireless interfaces to extend a call connection between said cell-phone and said a remote non-cordless land telephone via said first wireless interface and ~~second~~ said additional wireless ~~interfaces~~ interface individual to said remote non-cordless land telephone.

9. (Currently Amended) The system of claim 8 characterized in that:

said apparatus for receiving is operable to receive said indicia within said first

wireless interface from said cell phone and to extend said call via said ~~second~~ additional wireless interface to said remote non-cordless land line telephone; and

said apparatus for receiving is also operable to receive said indicia within said second additional wireless interface from said remote non-cordless land line telephone and to extend said call connection via said first wireless interface to said cell phone.

5 10. (Currently Amended) The apparatus of claim 9 wherein ~~a different one of~~ at least one of said additional wireless interfaces is ~~individual to and~~ integrated into ~~[[a]] the different one of said remote non-cordless land line telephones~~ individual to said wireless interface.

10 11. (Currently Amended) The apparatus of claim 10 including a plurality of ~~wherein each of said~~ remote non-cordless land line telephones each of which has a pair of tip and ring conductors adapted to be connected to one of ~~said~~ an individual one of a plurality of wireless interfaces, and each of said remote non-cordless land line telephones includes conductors connecting a handset of said remote non-cordless land
15 line telephones telephone to a base of each said remote non-cordless land line telephones telephone.

12. (Currently Amended) A method of operating a communication system adapted to enable remote non-cordless land line station devices of said system to make and
20 receive calls over a wireless network using a wireless phone, such as a cell phone, coupled in series between said wireless network and said remote non-cordless land line station devices, said system comprising:

a plurality of wireless interfaces;
a cell phone base unit coupled to a first one of said wireless interfaces;
25 said cell phone base unit is adapted to be coupled signal-wise to a cell phone;
each at least one remote non-cordless land line station device being individual to and coupled to another one of said wireless interfaces; said method comprising the step of:

operating apparatus ~~within said wireless interfaces~~ responsive to the receipt of
30 an incoming call from said wireless network for extending said incoming call via said cell phone and said wireless ~~interfaces~~ interface individual to said cell phone to ~~said at least~~

one remote non-cordless land line station device via the wireless interface individual to said at least one remote non-cordless land line station device.

13. (Currently Amended) The method of claim 12 further comprising the steps of:
5 monitoring said incoming call; and

operating said cell phone for detecting an on-hook signal generated by said at least one remote non-cordless land line station ~~devices~~ device for terminating said call.
~~between said at least one remote non-cordless land line station device and via said wireless network via said cell phone.~~

14. (Currently Amended) The method of claim 13 further comprising the step of:
10 detecting the initiation of an outgoing call by said at least one remote non-cordless land line station device for extending said outgoing call via said wireless interfaces and said cell phone ~~and via said wireless network~~ to a called station.

15. (Currently Amended) The method of said claim 12 characterized in that said at least one remote non-cordless land line station device comprises any one of or any combination of:

20 non-cordless land line telephones;
computers;
printers;
PDAs;
communication paths extending to other networks and/or network appliances;
fax machines;
25 fire, security and alarm detection devices; and
household appliances.

16. (Currently Amended) The method of claim ~~[[15]]~~ 12 wherein said remote non-cordless land line station device ~~comprises~~ devices comprise ~~[[a]]~~ remote non-cordless
30 land line telephone telephones, and wherein ~~a different~~ one of said wireless interfaces is ~~individual to and~~ integrated into ~~a different one of~~ said remote non-cordless land line

telephones telephone to which said wireless interface is individual, said method further comprising the steps of:

detecting an off-hook state of a calling one of said remote non-cordless land line telephones;

5 transmitting said off-hook signal from said calling remote non-cordless land line telephone to said cell phone;

activating said cell phone in response to the receipt of said off-hook signal;

transmitting a called station number from said wireless interface individual to
~~associated with~~ said calling remote non-cordless land line telephone to said cell phone;
10 and

operating said cell phone responsive to the receipt of said called station number for initiation the establishment of a call via said wireless network to said called station.

17. (Previously presented) The method of claim 16 further including the steps of:

15 operating said cell phone for detecting an on-hook state of said called station or said calling remote non-cordless land line telephone ; and

said cell phone being responsive to said detection of said call end signal for ending said call.

20 18. (Currently Amended) The method of claim 17 characterized in that said system exchanges the following signals between said calling remote non-cordless land line telephone and said cell phone during the serving of a call initiated by said calling remote non-cordless land line telephone:

an off-hook signal generated by said calling remote non-cordless land line
25 telephone is transmitted via said wireless interfaces to said cell phone;

said calling remote non-cordless land line telephone dials the number of the called station to which said call is to be extended;

said dialed number is transmitted to said cell phone which transmits said dialed number to said wireless network for the establishment of a connection to said called
30 station;

said cell phone monitors said call until an on-hook signal is detected at said calling remote non-cordless land line telephone and/or at said called station; and

said cell phone is responsive to the detection of said off-hook signal to terminate the call between said calling remote non-cordless land line telephone and said called station.

19. (Currently Amended) The method of claim 17 characterized in that said system exchanges the following signals between said cell phone and said calling remote non-cordless land line telephones during the serving g of a call received by said cell phone from said wireless network

in response to receipt of a call from said wireless network, said cell phone transmits a ringing control signal to said remote non-cordless land line telephones via said wireless interfaces of said remote non-cordless land line telephones;

said ringing control signal activates a ring generator in the wireless ~~interface~~
15 interfaces ~~associated with each~~ of said remote non-cordless land line telephones to apply ringing current to of said remote non-cordless land line telephones ;

the generation of an off-hook signal at a responding one of said remote non-cordless land line telephones transmits a signal to the wireless interface associated with said cell phone to terminate the generation of said ringing control signal; ~~by said cell~~
20 ~~phone;~~

said cell phone terminates the generation of said ringing control signal to terminate ringing at said remote non-cordless land line telephones;

said cell phone establishes a voice path between said cell phone and said responding one of said remote non-cordless land line telephones; and

said cell phone monitors said call and terminates said call upon the generation of an on-hook signal by said responding one of said remote non-cordless land line telephones;

20. (Previously presented) The method of claim 15 characterized in that step of
30 operating said cell phone is effective to serve calls between said wireless network and said remote non-cordless land line telephones only when said cell phone is connected

signal-wise to said base unit to connect said cell phone with said first wireless interface via said base unit.